

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A rangefinding instrument comprising:
 - a user input for providing data to said instrument indicative of at least one golf club type and at least one representative user range for said at least one golf club type;
 - a data store associated with said instrument and said user input for maintaining said at least one golf club type and said at least one representative user range as a first correlated data set;
 - a processor coupled to said data store for computing at least one other correlated data set indicative of another golf club type and associated representative user range based upon a relationship in said first correlated data set;
 - a laser rangefinder for determining a range to a selected point on a golf course; and
 - a display coupled to said processor and said laser rangefinder for indicating a suggested golf club type based upon at least one of said first or one other correlated data sets and said determined range to said selected point.
2. (Original) The rangefinding instrument of claim 1 wherein said display is further operative to indicate said determined range.
3. (Original) The rangefinding instrument of claim 1 wherein said display is an in-sight display.

4. (Original) The rangefinding instrument of claim 1 further comprising:
a tilt sensor coupled to said processor for indicating an angular inclination of said selected point from said instrument for possible alteration of said suggested golf club type based upon said determined range and said angular inclination.

5. (Original) The rangefinding instrument of claim 4 wherein said display is further operative to indicate said angular inclination of said selected point.

6. (Original) The rangefinding instrument of claim 1 further comprising:
a wind speed and direction sensor coupled to said processor for indicating a wind direction at said instrument for possible alteration of said suggested club type based upon said determined range and said wind speed and direction.

7. (Original) The rangefinding instrument of claim 6 wherein said display is further operative to indicate said wind speed and direction.

8. (Original) The rangefinding instrument of claim 1 further comprising said user input coupled to said processor for entering a wind speed and direction at said selected point for possible alteration of said suggested club type based upon said determined range and said wind speed and direction.

9. (Original) The rangefinding instrument of claim 8 wherein said display is further operative to indicate said wind speed and direction.

10. (Original) The rangefinding instrument of claim 1 further comprising said user input coupled to said processor for entering a ground condition at said selected point for possible alteration of said suggested club type based upon said range and said ground condition.

11. (Original) The rangefinding instrument of claim 8 wherein said display is further operative to indicate said ground condition.

12. (Original) The rangefinding instrument of claim 1 wherein said user input is further operative for entering at least one user identification associated with said first and said at least one other correlated data sets.

13-22 (Canceled)

23. (Previously Presented) A method associated with a golf game comprising:

- entering at least one club type and associated representative user range for said at least one club type to a data store associated with a rangefinding instrument;

- storing in said data store said at least one club type and associated representative user range;

- determining a range to a selected point on a golf course with said rangefinding instrument using a laser rangefinder;

- determining an inclination to said selected point on said golf course with a tilt sensor in said rangefinding instrument;

- determining a wind speed and direction with a wind speed sensor and directional sensor in said rangefinding instrument;

- entering other factors in the rangefinding instrument, wherein the other factors include at least one of a golf ball type, altitude, and barometric pressure;

- extrapolating a suggested club type appropriate to said determined range from said at least one club type, associated representative user range, inclination, wind speed and direction, and other factors; and

- displaying said suggested club type to a user of said rangefinding instrument.

24. (Original) The method of claim 23 further comprising the step of:
computing at least said suggested club type and an associated
representative user range for said at least one other club type for retention in said
data store.

25. (Canceled)

26. (Currently Amended) A golf range finding instrument comprising:
a user input for providing data to said instrument indicative of at least one golf
club type and at least one representative user range for said at least one golf club
type;

a data store associated with said instrument and said user input for
maintaining said at least one golf club type and said at least one representative user
range as a first correlated data set;

a processor coupled to said data store for computing at least one other
correlated data set indicative of another golf club type and associated representative
user range based upon a relationship in said first correlated data set;

a laser rangefinder for determining a range to a selected point on a golf
course;

a tilt sensor coupled to said processor for determining an angular inclination
of said selected point from said instrument;

a wind speed and direction sensor coupled to said processor for determining
a wind speed and a wind direction of said selected point from said instrument; and

an in-sight display coupled to said processor and said laser rangefinder for
indicating a suggested golf club type based upon said correlated data sets, said
determined range, said determined angular inclination, said determined wind speed
and said determined wind direction, wherein the user input is coupled to said
processor for entering other factors at said selected point for possible alteration of
said suggested club type based upon said range and [[said]] a ground condition,

wherein the system is configured to accept [[said]] other factors and modify said suggested golf club type based on said other factors.

27. (Previously Presented) The instrument of claim 26, wherein said other factors include at least one of an altitude of the course and golf ball type.

28. (Previously Presented) The instrument of claim 26, wherein said in-sight display displays range inclination to said point and said other factors.

29. (Previously Presented) The method of claim 23, wherein the displaying further comprises displaying inclination and other factors when displaying the range.

30. (Previously Presented) The instrument of claim 26, further comprising a compass coupled to said processor for determining a cross lope without having said user stand at a right angle to the ball and/or pin.

31. (Previously Presented) The method of claim 23, further comprising the step of determining a cross-lope without having said user stand at a right angle to the ball and/or pin.